

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

NAKAMURA et al

Serial No. 10/718,652

Filed: November 24, 2003



Atty. Ref.: 160-399

TC/A.U.: 2828

Examiner: TBA

For: NITRIDE SEMICONDUCTOR WITH ACTIVE LAYER OF  
QUANTUM WELL STRUCTURE WITH INDIUM-CONTAINING NITRIDE  
SEMICONDUCTOR

\* \* \* \* \*

November 14, 2005

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Listed on accompanying Form PTO-1449 is information that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. At least one of the boxes below applies to the present application:

1. ☒ This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No statement under 37 C.F.R. § 1.97(e) or fee is required.

a. ☐ Contingent Request to Treat Under 37 C.F.R. § 1.97(c)

In the event a first Office Action has been mailed prior to filing of the present Information Disclosure Statement and the Office Action was mailed more than three months since the filing of the application (for regular applications not including CPAs or RCEs), the Office is requested to treat

the present paper as a submission under 37 C.F.R. § 1.97(c) and charge the undersigned's Deposit Account No. 14-1140 for the fee required by 37 C.F.R. § 1.17(p). The present paper is submitted in duplicate for this purpose.

b. ☐ Contingent Request to Treat Under 37 C.F.R. § 1.97(e)(1)

In the event a first Office Action has been mailed prior to the filing of the present Information Disclosure Statement, and the Office Action was mailed more than three months since the filing of the application (for regular applications not including CPAs or RCEs), the Office is requested to treat the present paper as a submission under 37 C.F.R. § 1.97(e)(1) in that the undersigned hereby states that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

b.1. ☐ Patent Term Adjustment

I hereby certify that each item of information was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in Section 1.56(c) more than 30 days prior to the filing of the Information Disclosure Statement. 37 C.F.R. §1.704(d).

c. ☐ Contingent Request to Treat Under 37 C.F.R. § 1.97(e)(2)

In the event a first Office Action has been mailed prior to the filing of the present Information Disclosure Statement, and the Office Action was mailed more than three months since the filing of the application (for regular applications not including CPAs or RCEs), the Office is requested to treat the present paper as a submission under 37 C.F.R. § 1.97(e)(2) in that the undersigned hereby states that no item of information in this Information Disclosure Statement was cited in a communication from a

foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

2. ☐ This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

a. ☐ I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1). Contingent Request Under 37 C.F.R. § 1.97(d). In the event a Notice of Allowance or a Final Rejection has been mailed prior to filing this Information Disclosure Statement, the Office is authorized to treat this as a submission under 37 C.F.R. 1.97(d) and charge the undersigned's Deposit Account No. 14-1140 for the fee required by 37 C.F.R. § 1.17(p). The present paper is submitted in duplicate for this purpose.

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b. ☐ I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after

making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

c. ☐ Attached is our check in the amount of \$            in payment of the fee under 37 C.F.R. § 1.17(p).

3. ☐ This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee 37 C.F.R. § 1.97(d). It is hereby requested that the Information Disclosure Statement be considered. Attached is our check in the amount of \$            in payment of the fee under 37 C.F.R. § 1.17(i).

a. ☐ I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

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b. ☐ I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

4. ☐ Relevance of the non-English language document(s) is discussed in the present specification.

5. ☐ The document(s) was/were cited in a corresponding foreign application. An English language version of the foreign search report or official action is attached for the Examiner's information. See MPEP § 609.

a. ☐ U.S. Patent No. \_\_\_\_\_ is indicated in the foreign search report or Official Action as being in the same patent family and/or the English-language equivalent of \_\_\_\_\_ listed on the attached foreign search report.

6. ☐ A concise explanation of the relevance of the non-English language document(s) appears below:

7. ☐ Copies of the documents were cited by or submitted to the Office in related Application No. \_\_\_\_\_, filed \_\_\_\_\_. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

8. ☐ The publication date (e.g., month or year) of at least one of the listed documents is not available. For each document in this category, the Office is requested to assume that the year of publication of each listed document is earlier than the effective U.S. filing date and/or any foreign priority date.

9. ☐ The publication date of at least one document is listed on the attached PTO-1449 based on information presently available to the undersigned. However, each listed publication date should not be construed as an admission that the information was actually published on the date indicated, and the right to challenge each listed publication date is expressly reserved by Applicant(s).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

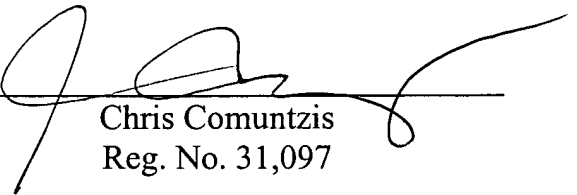
The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 14-1140 referencing docket number 160-399.

NAKAMURA et al  
Serial No. 10/718,652

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: \_\_\_\_\_



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